

Mineral Industry Surveys

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CRUSHED STONE AND SAND AND GRAVEL IN THE FOURTH QUARTER 2001

An estimated 413 million metric tons of *crushed stone* was produced and shipped for consumption in the United States in the fourth quarter of 2001, an increase of 11% compared with the same period of 2000. The estimated annual production of *crushed stone* shipped for consumption in 2001 was 1.65 billion metric tons, a 5.8% increase compared with 2000. The estimated 2001 total annual production of *crushed stone* was again the highest production ever recorded in the U.S.

The estimated output of *construction sand and gravel* produced for consumption in the fourth quarter of 2001 was 268 million metric tons, a decrease of 1.8% compared with the same period of 2000. The estimated annual production of *construction sand and gravel* shipped for consumption in 2001 was 1.13 billion metric tons, a 0.9% increase compared with 2000. The estimated 2001 total annual production of *construction sand and gravel* was also the highest production ever recorded in the U.S. The above estimates are based on information reported to the U.S. Geological Survey quarterly sample survey by the *crushed stone* and *construction sand and gravel* producers.

The significant increase in the production of *crushed stone* during this quarter indicates a continuation of a high level of activity in public, private, and commercial construction work. Favorable weather conditions in most regions were also a contributing factor to the sustained construction activity. In the fourth quarter of 2001, there was also an increase of 8.4% in portland cement consumption compared with the same period of 2000.

The USGS quarterly survey is a sample survey that generates production for consumption estimates by quarters for each State, except Alaska and Hawaii, and each geographic division, based on information reported voluntarily by a limited number of producing companies. Occasionally, the number of companies reporting in an area varies from quarter to quarter, or previously reported data by some companies are revised. As a result of such changes in the size or the composition of the statistical sample, the estimated quantities for prior quarters

are recalculated. The latest release of the quarterly Mineral Industry Surveys contains the most recent estimated totals and percentage changes and supersedes previously published similar information.

The production for consumption estimates for *crushed stone* and *construction sand and gravel* are generated independently for each State and geographic division, which are treated as separate statistical sample areas. Therefore, some differences may exist between the total for a division and the sum of State totals that are part of the same geographic division.

The estimated U.S. *crushed stone* production for consumption in the fourth quarter of 2001 increased in all geographic divisions except the Pacific (-10.2%). Significant increases were recorded in the West North Central (37.5%), the West South Central (30.8%), and the East North Central (11.4%) divisions.

The leading geographic divisions for the total amount of *crushed stone* sold or used in the fourth quarter of 2001 were the South Atlantic with 93.9 million metric tons, or 22.7% of the U.S. total, followed by the East North Central with 80.5 million metric tons, or 19.5%, and the West South Central division with 56.3 million metric tons, or 13.6% of the total.

The estimated U.S. *construction sand and gravel* sold or used in the fourth quarter of 2001 increased in all geographic divisions except the Mountain (-20.8%), the West South Central (-5.2%), and the Pacific (-4.1%). Significant increases in the estimated production of *construction sand and gravel* were recorded in the Middle Atlantic (18.2%), the West North Central (14.7%), and the East South Central (13.3%) divisions.

The leading geographic divisions for the total amount of *construction sand and gravel* sold or used in the fourth quarter of 2001 were the East North Central with 57.9 million metric tons, or 21.6% of the U.S. total, followed by the Pacific with 51 million metric tons, or 19%, and the Mountain with 43.4 million, or 16.2% of the total. The estimated totals by quarters for the geographic divisions do not include Alaska and

Hawaii.

Production for consumption of *crushed stone* declined in the fourth quarter of 2001 in 9 of the 40 estimated States, compared with the same quarter of 2000. Significant decreases in production took place in Oregon (-18.2%), Nevada (-16.7%), and Wyoming (-14.7%). Significant increases in production of *crushed stone* in the fourth quarter of 2001 took place in Kansas (56%), Minnesota (49.8%), Arkansas (47.5%), Idaho (41.7%), and New Jersey (38.5%). The five leading States in the production for consumption of *crushed stone* in the fourth quarter of 2001 were Texas, Pennsylvania, Florida, Illinois, and Ohio. Their combined total production for consumption represented 31.3% of the U.S. total.

Production for consumption of *construction sand and gravel* in the fourth quarter of 2001 declined in 23 of the 42 estimated States, with significant decreases recorded in Idaho (-54.8%), Utah (-25.9%), Colorado (-23.7%), North Carolina (-22.8%), Kentucky (-22.5%), and New Mexico (-20.7%). Significant increases in production of *construction sand and gravel* took place in Mississippi (67.5%), Vermont (64.3%), Pennsylvania (47.4%), Wyoming (43.9%), and Oklahoma (39.2%). The five leading States in the production for consumption of *sand and gravel* in the fourth quarter of 2001 were California, Texas, Michigan, Ohio, and Arizona. Their combined total production for consumption represented 39.1% of the U.S. total.

This survey also provides the first preliminary estimates by State for 2001. The 10 leading States in the production of

crushed stone for the entire year of 2001 were Texas, Pennsylvania, Florida, Missouri, Ohio, Illinois, Georgia, Virginia, North Carolina, and Tennessee. Their combined total production for consumption for the entire year represented 52.7% of the U.S. total.

The 10 leading States in the production of *construction sand and gravel* for the entire year 2001 were California, Texas, Michigan, Ohio, Arizona, Washington, Wisconsin, New York, Minnesota, and Illinois. Their combined total production for consumption for the entire year represented 54.4% of the U.S. total.

A total of 328 companies representing *crushed stone* and *construction sand and gravel* producers reported production for consumption information to the fourth quarter sample survey. The large participation of the producing companies in this survey is reflected by the high percentage coverage obtained for most geographic divisions and States. The percentage coverage indicates how much of the total estimated production for consumption for a State or a geographic division was actually reported by companies participating in this survey and was used to generate the estimated totals for that particular area.

The percent changes between the estimated production for consumption for the current quarter and the same quarter of the prior year included in this report are important indicators of the production/consumption trends occurring in a particular area of the country.

NOTICE

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TABLE 1
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION 1/

(Thousand metric tons and thousand dollars)

Region/division	2000						2001	
	Quantity					Value total 2/	Percent cover- age	Number of cos. 3/
	1st qtr.	2nd qtr.	3rd qtr.	4th qtr.	Total 2/			
Northeast:								
New England	3,100	10,800	12,400	9,300	35,600	237,000	70	15
Middle Atlantic	23,000	48,800	56,400	43,400	172,000	994,000	65	30
Midwest:								
East North Central	37,800	80,200	90,600	72,300	281,000	1,260,000	67	42
West North Central	32,100	48,600	49,700	33,100	163,000	857,000	50	37
South:								
South Atlantic	80,800	102,000	99,400	92,000	374,000	2,230,000	84	50
East South Central	35,300	45,400	48,100	40,500	169,000	990,000	69	17
West South Central	45,100	48,900	51,600	43,000	189,000	801,000	59	27
West:								
Mountain	11,000	15,600	14,900	12,200	53,700	285,000	41	22
Pacific 4/	18,900	25,800	28,600	26,200	99,400	594,000	42	26
Total 2/	287,000	426,000	452,000	372,000	1,560,000 5/	8,390,000 5/	XX	XX

XX Not applicable.

1/ Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

2/ Data may not add to totals shown because of independent rounding and differences between projected totals by States and by divisions.

3/ Number of companies reporting for the quarterly survey.

4/ Does not include Alaska and Hawaii.

5/ Includes Alaska, Hawaii, and "Other" totals; see table 5, footnote 6.

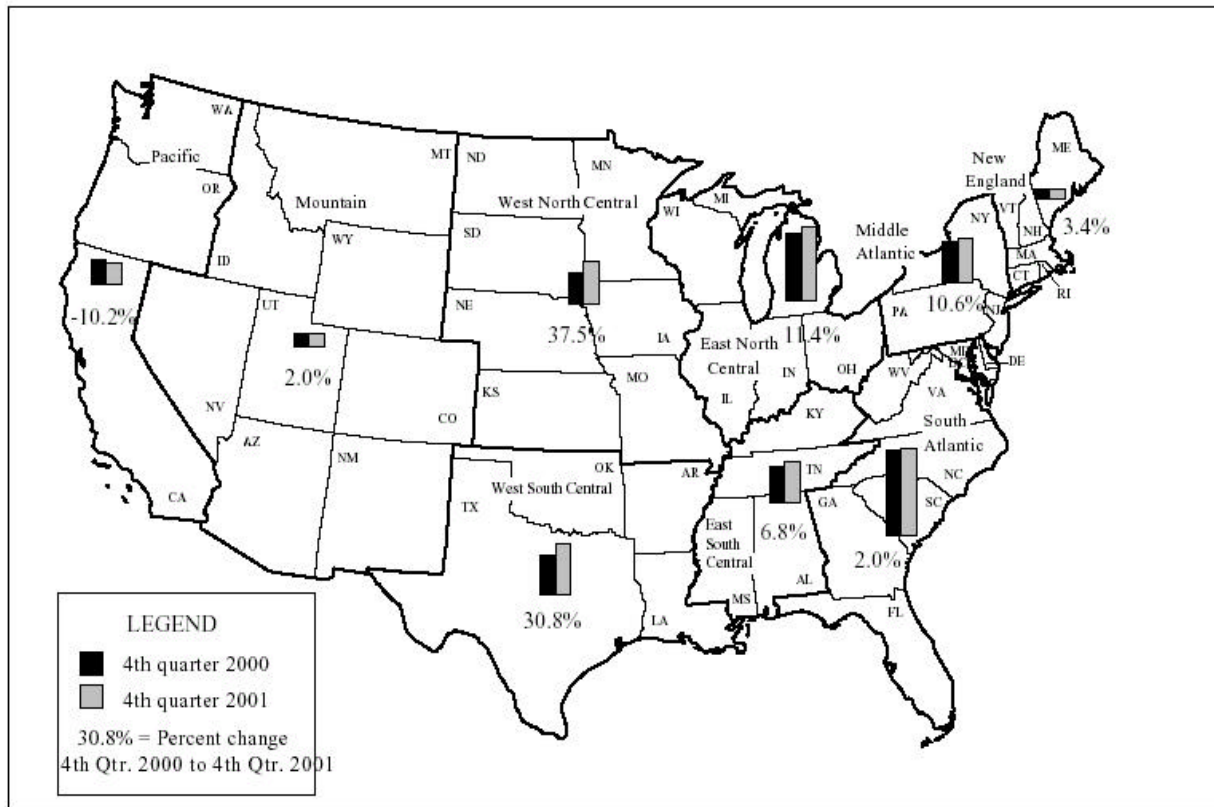


Figure 1 - Fourth quarter crushed stone production by geographic division

TABLE 2
SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION 1/

(Thousand metric tons and thousand dollars)

Region/division	2000						2001	
	Quantity					Value total 2/	Percent cover- age	Number of cos. 3/
	1st qtr.	2nd qtr.	3rd qtr.	4th qtr.	Total 2/			
Northeast:								
New England	6,200	12,900	14,900	10,900	44,900	235,000	24	22
Middle Atlantic	8,700	18,700	21,900	14,600	63,900	349,000	27	23
Midwest:								
East North Central	28,800	66,700	73,300	55,800	225,000	927,000	42	45
West North Central	10,600	36,400	39,200	21,400	108,000	396,000	29	32
South:								
South Atlantic	19,100	22,400	21,800	19,900	83,300	406,000	53	33
East South Central	9,400	13,800	12,800	9,900	46,000	208,000	36	17
West South Central	25,600	26,700	30,400	32,100	115,000	569,000	37	13
West:								
Mountain	41,100	60,200	62,200	54,800	218,000	988,000	44	34
Pacific 4/	37,300	54,100	61,700	53,200	206,000	1,260,000	54	25
Total 2/	187,000	312,000	339,000	273,000	1,120,000 5/	5,390,000 5/	XX	XX

XX Not applicable.

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3/ Number of companies reporting for the quarterly survey.

4/ Does not include Alaska and Hawaii.

5/ Includes Alaska and Hawaii.

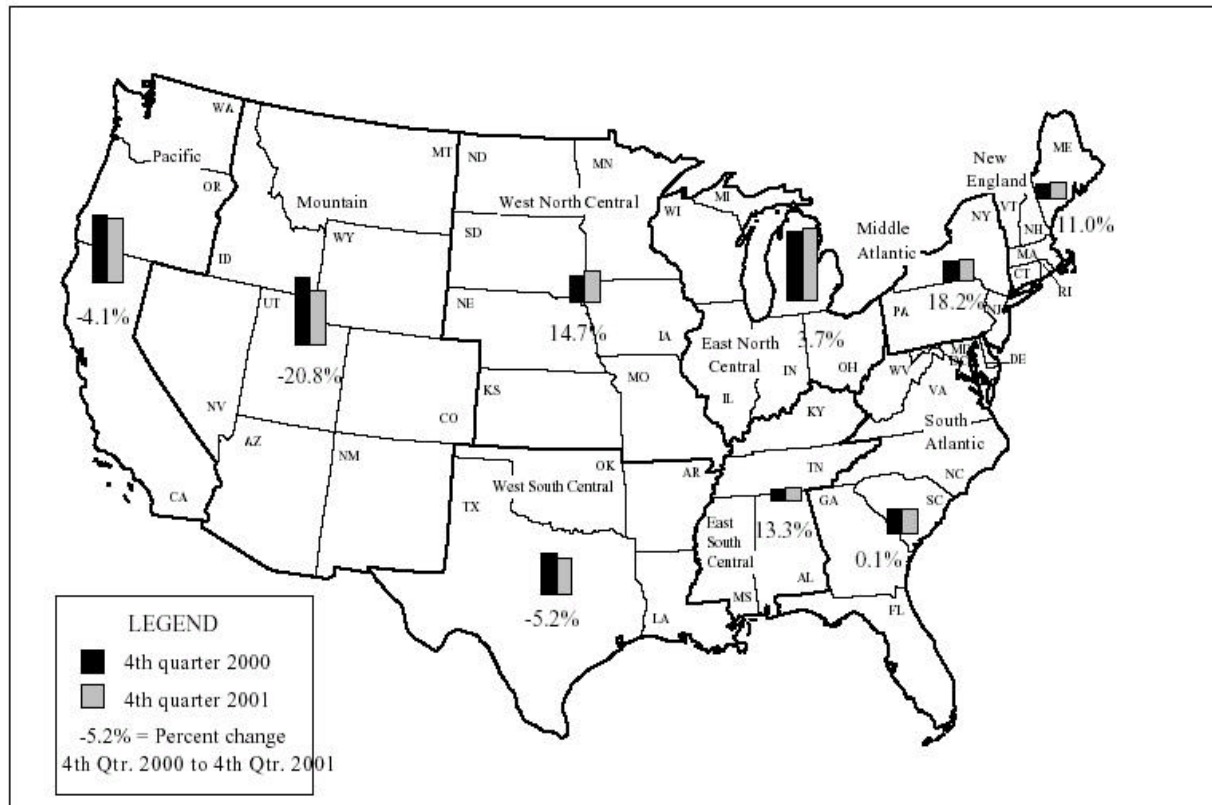


Figure 2 - Fourth quarter sand and gravel production by geographic division

TABLE 3
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION, IN 2001 1/

(Thousand metric tons and thousand dollars)

Region/division	Quantity 1st qtr.	Per- cent change 2/	Quantity 2nd qtr.	Per- cent change 2/	Quantity 3rd qtr.	Per- cent change 2/	Quantity 4th qtr.	Per- cent change 2/	Total 3/	Value total 3/
Northeast:										
New England	3,200	1.2	10,700	(0.8)	12,000	(2.7)	9,600	3.4	35,500	249,000
Middle Atlantic	22,800	(0.9)	55,300	13.4	59,200	4.9	48,000	10.6	185,000	1,120,000
Midwest:										
East North Central	37,900	0.4	83,000	3.5	95,800	5.7	80,500	11.4	297,000	1,380,000
West North Central	28,700	(10.6)	46,500	(4.2)	52,700	6.1	45,500	37.5	173,000	953,000
South:										
South Atlantic	77,000	(4.8)	102,000	0.9	102,000	2.6	93,900	2.0	375,000	2,310,000
East South Central	34,700	(1.7)	47,200	3.9	48,300	0.5	43,300	6.8	174,000	1,060,000
West South Central	51,500	14.1	66,600	36.3	64,700	25.4	56,300	30.8	239,000	1,030,000
West:										
Mountain	10,500	(3.8)	15,100	(3.5)	16,100	8.0	12,400	2.0	54,200	294,000
Pacific 4/	19,900	5.5	26,600	2.9	25,900	(9.4)	23,500	(10.2)	95,900	584,000
Total 2/	286,000	(0.3)	453,000	6.5	477,000	5.6	413,000	11.0	1,650,000 5/	9,000,000 5/

1/ Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

2/ All percent changes are calculated using unrounded totals.

3/ Data may not add to totals shown because of independent rounding and differences between projected totals by States and by divisions.

4/ Does not include Alaska and Hawaii.

5/ Includes Alaska, Hawaii, and "Other" totals; see table 5, footnote 6.

TABLE 4
SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION, IN 2001 1/

(Thousand metric tons and thousand dollars)

Region/division	Quantity 1st qtr.	Per- cent change 2/	Quantity 2nd qtr.	Per- cent change 2/	Quantity 3rd qtr.	Per- cent change 2/	Quantity 4th qtr.	Per- cent change 2/	Total 3/	Value total 3/
Northeast:										
New England	5,700	(9.0)	12,300	(4.8)	15,500	3.7	12,100	11.0	45,500	242,000
Middle Atlantic	10,200	17.2	22,700	21.1	26,700	21.9	17,300	18.2	76,800	427,000
Midwest:										
East North Central	28,500	(0.9)	68,100	2.0	80,800	10.3	57,900	3.7	235,000	985,000
West North Central	9,600	(10.0)	33,300	(8.3)	38,800	(0.9)	24,600	14.7	106,000	386,000
South:										
South Atlantic	17,600	(7.9)	22,300	(0.4)	21,400	(1.8)	19,900	0.1	81,300	400,000
East South Central	8,000	(15.5)	12,700	(8.1)	12,000	(6.6)	11,200	13.3	43,900	198,000
West South Central	28,400	11.2	38,500	44.2	36,200	19.3	30,400	(5.2)	134,000	677,000
West:										
Mountain	40,900	(0.6)	51,600	(14.2)	51,800	(16.6)	43,400	(20.8)	188,000	866,000
Pacific 4/	39,500	6.0	55,000	1.7	59,800	(3.1)	51,000	(4.1)	205,000	1,280,000
Total 2/	188,000	0.8	316,000	1.5	343,000	1.5	268,000	(1.8)	1,130,000 5/	5,540,000 5/

1/ Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

2/ All percent changes are calculated using unrounded totals.

3/ Data may not add to totals shown because of independent rounding and differences between projected totals by States and by divisions.

4/ Does not include Alaska and Hawaii.

5/ Includes Alaska and Hawaii.

TABLE 5
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE 1/

(Thousand metric tons and thousand dollars)

State	2000					2001		
	Quantity					Value	Percent cover- age	Number of cos. 3/
	1st qtr.	2nd qtr.	3rd qtr.	4th qtr.	Total 2/ total 2/			
Alabama	11,900	13,000	13,200	11,000	49,100	300,000	77	12
Alaska 4/	--	--	--	--	1,400	7,110	--	--
Arizona 5/	--	--	--	--	8,030	48,200	--	--
Arkansas	6,300	7,000	8,500	6,600	28,300	137,000	58	9
California	11,000	15,500	17,000	16,200	59,700	373,000	50	14
Colorado	2,600	4,200	3,600	2,600	13,000	81,900	71	6
Connecticut	700	2,400	2,600	2,000	7,740	65,300	106	4
Delaware 4/	--	--	--	--	--	--	--	--
Florida	22,100	25,200	23,200	22,500	93,000	495,000	67	10
Georgia 6/	18,300	20,300	19,500	18,400	76,500	452,000	101	7
Hawaii 4/	--	--	--	--	5,770	58,100	--	--
Idaho	800	700	900	1,100	3,500	14,800	35	3
Illinois 6/	11,200	21,100	24,300	19,400	76,000	394,000	69	12
Indiana	8,500	15,200	18,100	13,600	55,400	253,000	82	13
Iowa	6,200	12,600	12,900	8,500	40,200	209,000	48	6
Kansas	5,400	6,700	6,800	4,300	23,300	113,000	58	9
Kentucky	10,900	15,100	15,900	13,700	55,600	296,000	59	7
Louisiana 5/ 6/	--	--	--	--	--	--	--	--
Maine	400	1,000	1,300	800	3,650	21,100	68	4
Maryland 6/	4,300	6,900	7,000	6,400	24,500	137,000	106	9
Massachusetts	1,300	4,000	4,600	3,600	13,400	103,000	69	6
Michigan 6/	3,300	13,600	13,700	11,600	42,200	148,000	75	9
Minnesota	900	4,300	5,000	2,200	12,400	68,100	25	3
Mississippi 5/ 6/	--	--	--	--	2,530	23,700	--	--
Missouri	16,700	21,800	21,600	15,500	75,500	399,000	44	14
Montana 5/	--	--	--	--	3,070	12,600	--	--
Nebraska	1,500	1,800	1,800	1,500	6,590	42,400	99	6
Nevada	1,600	2,100	2,000	2,000	7,640	37,300	40	4
New Hampshire 6/	200	1,200	1,400	900	3,740	15,700	87	4
New Jersey	3,800	6,500	7,600	7,000	24,900	170,000	55	6
New Mexico	900	900	1,000	900	3,690	22,400	31	4
New York	5,000	13,700	17,700	12,500	48,800	304,000	80	9
North Carolina	14,300	18,900	19,200	17,100	69,500	478,000	96	11
North Dakota 4/ 6/	--	--	--	--	--	--	--	--
Ohio	10,000	21,000	23,500	19,200	73,600	327,000	69	12
Oklahoma	8,600	11,100	11,100	8,400	39,300	168,000	53	10
Oregon	3,400	5,800	6,200	5,400	20,800	98,900	37	11
Pennsylvania	14,700	28,600	30,600	24,000	97,900	520,000	60	20
Rhode Island 5/	--	--	--	--	1,860	10,600	--	--
South Carolina	7,000	8,200	7,300	6,800	29,400	189,000	83	6
South Dakota	800	1,600	2,000	1,000	5,460	25,500	95	6
Tennessee	11,800	16,600	18,300	15,300	62,100	371,000	73	8
Texas	30,100	30,900	32,100	27,900	121,000	496,000	59	12
Utah	1,600	2,300	2,600	2,100	8,520	42,100	53	5
Vermont 5/	--	--	--	--	5,210	21,500	--	--
Virginia	12,800	18,400	19,500	18,100	68,800	424,000	71	12
Washington	5,100	4,300	5,400	4,100	18,900	122,000	22	3
West Virginia 6/	2,000	3,700	3,500	2,900	12,100	52,800	70	7
Wisconsin	5,200	8,900	11,300	8,300	33,700	137,000	25	6
Wyoming	1,200	2,000	1,800	1,300	6,250	26,100	24	4
Other	--	--	--	--	13,700	74,600	--	--
Total	XX	XX	XX	XX	1,560,000	8,390,000	XX	XX

See footnotes at end of table.

TABLE 5--Continued
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE 1/

(Thousand metric tons and thousand dollars)

State	2001								Total 2/	Value total 2/
	Quantity 1st qtr.	Per- cent change 7/	Quantity 2nd qtr.	Per- cent change 7/	Quantity 3rd qtr.	Per- cent change 7/	Quantity 4th qtr.	Per- cent change 7/		
Alabama	12,300	3.7	13,200	1.4	13,600	3.3	12,200	10.5	51,300	323,000
Alaska 4/	--	--	--	--	--	--	--	--	1,500	7,850
Arizona 5/	--	--	--	--	--	--	--	--	7,100	43,900
Arkansas	6,700	6.2	10,200	46.9	11,100	30.0	9,700	47.5	37,600	188,000
California	11,700	6.4	16,100	4.1	16,500	(2.9)	14,600	(9.9)	59,000	380,000
Colorado	2,300	(10.9)	3,200	(22.9)	3,300	(8.3)	2,700	4.8	11,600	75,300
Connecticut	600	(19.1)	2,200	(10.1)	2,400	(5.4)	2,100	3.6	7,300	63,500
Delaware 4/	--	--	--	--	--	--	--	--	--	--
Florida	21,100	(4.4)	23,700	(5.8)	23,200	(0.1)	24,100	7.1	92,100	506,000
Georgia 6/	16,900	(7.5)	20,400	0.7	20,500	5.0	18,500	0.6	76,300	465,000
Hawaii 4/	--	--	--	--	--	--	--	--	5,000	51,900
Idaho	800	7.4	800	9.0	1,700	87.9	1,500	41.7	4,870	21,100
Illinois 6/	11,000	(2.5)	21,600	2.6	25,600	5.5	22,700	16.9	80,900	432,000
Indiana	8,600	1.6	15,400	1.0	18,300	1.5	14,300	5.1	56,700	267,000
Iowa	4,700	(23.8)	11,400	(9.4)	12,200	(5.9)	11,000	30.1	39,300	211,000
Kansas	4,700	(13.0)	5,900	(13.0)	6,900	0.5	6,700	56.0	24,200	121,000
Kentucky	10,600	(2.4)	16,500	9.3	16,600	4.5	14,400	5.4	58,200	319,000
Louisiana 5/ 6/	--	--	--	--	--	--	--	--	--	--
Maine	400	0.3	1,000	(2.0)	1,200	(14.3)	800	(8.3)	3,370	20,000
Maryland 6/	3,900	(7.9)	6,700	(3.0)	7,300	4.2	6,700	5.2	24,600	142,000
Massachusetts	1,400	11.9	3,900	(0.8)	5,000	8.0	3,800	7.4	14,200	112,000
Michigan 6/	3,200	(5.9)	13,500	(0.4)	14,200	3.4	12,700	9.7	43,500	158,000
Minnesota	1,000	13.9	3,400	(21.1)	5,400	8.5	3,300	49.8	13,100	74,300
Mississippi 5/ 6/	--	--	--	--	--	--	--	--	4,390	42,300
Missouri	15,200	(8.6)	21,100	(3.2)	24,300	12.8	21,100	36.7	81,800	445,000
Montana 5/	--	--	--	--	--	--	--	--	3,500	14,900
Nebraska	1,500	0.5	2,600	40.6	2,300	25.9	2,000	29.5	8,250	54,600
Nevada	1,700	2.8	1,900	(9.1)	2,000	0.7	1,600	(16.7)	7,180	36,100
New Hampshire 6/	300	17.0	1,100	(7.0)	1,200	(17.7)	900	(0.6)	3,440	14,800
New Jersey	4,500	17.2	9,500	46.3	10,200	34.3	9,700	38.5	33,900	238,000
New Mexico	800	(11.6)	900	3.1	1,100	9.7	1,000	17.6	3,850	24,100
New York	4,600	(6.7)	15,700	14.6	17,000	(3.7)	12,900	3.0	50,200	322,000
North Carolina	13,500	(5.7)	19,500	3.6	18,700	(2.6)	16,900	(1.3)	68,700	487,000
North Dakota 4/ 6/	--	--	--	--	--	--	--	--	--	--
Ohio	10,500	5.0	22,800	9.0	26,100	11.4	21,800	13.4	81,200	372,000
Oklahoma	10,200	17.7	13,000	17.0	13,000	17.2	11,000	30.1	47,200	208,000
Oregon	4,000	17.2	5,100	(12.5)	5,600	(9.5)	4,400	(18.2)	19,100	93,400
Pennsylvania	14,400	(2.5)	30,300	5.9	32,000	4.9	26,000	8.5	103,000	562,000
Rhode Island 5/	--	--	--	--	--	--	--	--	3,040	17,800
South Carolina	6,100	(12.7)	7,300	(10.7)	7,400	0.8	6,900	0.9	27,700	184,000
South Dakota	900	2.5	1,500	(8.9)	2,000	2.7	1,300	33.7	5,720	27,600
Tennessee	11,000	(6.8)	17,000	1.8	17,400	(4.7)	15,900	3.6	61,300	377,000
Texas	33,700	11.9	42,500	37.6	39,700	23.5	34,700	24.5	151,000	636,000
Utah	1,600	2.4	3,300	43.8	3,500	37.7	2,000	(2.7)	10,500	53,400
Vermont 5/	--	--	--	--	--	--	--	--	4,920	20,800
Virginia	14,000	9.2	21,400	16.1	20,500	5.0	18,100	(0.1)	73,900	469,000
Washington	4,500	(11.6)	5,400	27.7	2,500	(54.2)	4,300	4.4	16,800	111,000
West Virginia 6/	1,800	(12.1)	3,400	(7.5)	4,400	25.7	3,100	8.5	12,700	57,300
Wisconsin	5,100	(2.3)	9,400	5.5	11,900	4.9	8,600	4.7	35,000	147,000
Wyoming	1,300	12.2	1,900	(3.8)	1,400	(21.3)	1,100	(14.7)	5,750	24,700
Other	--	--	--	--	--	--	--	--	12,500	78,000
Total	XX	XX	XX	XX	XX	XX	XX	XX	1,650,000	9,000,000

XX Not applicable.

1/ Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

2/ Data may not add to totals shown because of independent rounding, and differences between projected totals by States.

3/ Number of companies reporting for the quarterly survey.

4/ State not included in quarterly survey.

5/ Owing to a low number of reporting companies, no production estimates by quarters were generated.

6/ To avoid disclosing proprietary data, certain State totals do not include all kinds of stone produced within the State; the portion not shown has been included with "Other."

7/ All percentage changes are calculated using unrounded totals.

TABLE 6
SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE 1/

(Thousand metric tons and thousand dollars)

State	2000						2001	
	Quantity					Value	Percent cover- age	Number of cos. 3/
	1st qtr.	2nd qtr.	3rd qtr.	4th qtr.	Total 2/ total 2/			
Alabama	3,400	4,200	3,800	3,100	14,500	63,700	45	7
Alaska 4/	--	--	--	--	10,600	53,500	--	--
Arizona	12,800	16,200	15,600	14,900	59,400	304,000	70	8
Arkansas 5/	--	--	--	--	9,820	48,600	--	--
California	26,700	37,800	44,500	39,000	148,000	940,000	61	15
Colorado	7,200	12,500	13,400	10,700	43,900	216,000	48	8
Connecticut	1,500	2,500	2,300	1,700	8,010	46,900	36	6
Delaware 5/	--	--	--	--	2,330	12,400	--	--
Florida	6,000	6,400	6,100	5,900	24,500	107,000	63	8
Georgia	1,700	1,700	1,800	1,700	6,940	28,700	43	6
Hawaii 4/	--	--	--	--	607	6,420	--	--
Idaho	1,900	4,600	5,800	5,100	17,500	55,700	27	3
Illinois	4,000	8,700	9,900	7,800	30,300	132,000	47	9
Indiana	5,800	8,100	7,900	6,100	27,900	121,000	53	7
Iowa	1,100	3,900	4,000	3,300	12,300	54,100	56	6
Kansas	2,000	3,100	2,700	2,200	10,000	28,200	21	3
Kentucky	1,800	3,100	3,400	2,700	11,000	36,000	17	3
Louisiana 5/	--	--	--	--	14,900	76,900	--	--
Maine	800	2,900	3,500	2,500	9,670	37,600	16	4
Maryland	2,800	3,600	3,600	3,200	13,100	84,700	43	5
Massachusetts	2,100	3,400	4,100	3,600	13,200	80,100	20	6
Michigan	6,200	24,000	26,200	19,200	75,600	269,000	39	10
Minnesota	1,400	14,400	17,000	6,700	39,500	158,000	29	9
Mississippi	2,200	3,600	3,400	2,400	11,700	60,900	44	5
Missouri	2,100	3,300	3,200	2,200	10,700	41,700	49	4
Montana 5/	--	--	--	--	9,950	40,600	--	--
Nebraska	1,600	4,100	4,400	1,700	11,700	39,200	26	5
Nevada	8,500	9,700	9,800	8,800	36,800	172,000	24	6
New Hampshire	1,100	2,300	3,100	2,100	8,660	41,400	31	5
New Jersey	3,300	4,000	4,700	4,200	16,300	85,000	29	6
New Mexico	2,700	3,400	4,100	3,200	13,400	66,800	40	5
New York	3,300	8,800	11,000	6,600	29,700	154,000	22	10
North Carolina	3,300	2,800	3,000	2,900	12,000	59,100	34	5
North Dakota 4/	--	--	--	--	10,600	27,800	--	--
Ohio	6,900	14,400	16,800	13,100	51,200	256,000	51	15
Oklahoma	2,200	2,400	2,700	1,900	9,210	35,500	46	5
Oregon	2,500	5,000	5,100	3,900	16,500	97,000	27	5
Pennsylvania	2,000	5,800	6,300	3,800	17,900	110,000	34	11
Rhode Island 5/	--	--	--	--	1,240	9,780	--	--
South Carolina	2,400	2,800	2,800	2,400	10,300	40,800	47	4
South Dakota	1,300	4,600	4,800	2,200	12,800	46,500	18	6
Tennessee	1,600	2,800	2,500	1,900	8,760	47,000	37	5
Texas	17,300	18,100	20,000	25,400	80,800	408,000	34	9
Utah	4,100	9,000	9,400	8,300	30,900	109,000	43	4
Vermont	300	1,200	1,500	1,000	4,140	18,800	19	4
Virginia	2,600	3,500	3,100	2,900	12,100	63,200	59	7
Washington	7,900	12,000	12,100	9,700	41,800	221,000	41	6
West Virginia	300	600	700	500	1,980	9,800	79	4
Wisconsin	4,800	12,200	12,900	9,600	39,600	150,000	23	10
Wyoming	1,500	1,800	1,700	1,300	6,340	23,800	18	3
Total	XX	XX	XX	XX	1,120,000	5,390,000	XX	XX

See footnotes at end of table.

TABLE 6--Continued
SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE 1/

(Thousand metric tons and thousand dollars)

State	2001								Total 2/	Value total 2/
	Quantity 1st qtr.	Per- cent change 6/	Quantity 2nd qtr.	Per- cent change 6/	Quantity 3rd qtr.	Per- cent change 6/	Quantity 4th qtr.	Per- cent change 6/		
Alabama	3,000	(12.0)	3,500	(15.1)	3,400	(10.7)	3,100	(1.7)	13,000	58,100
Alaska 4/	--	--	--	--	--	--	--	--	14,000	71,800
Arizona	14,400	12.5	14,300	(11.8)	13,700	(11.9)	12,600	(15.2)	55,000	286,000
Arkansas 5/	--	--	--	--	--	--	--	--	9,820	49,400
California	28,600	7.2	38,900	2.9	41,400	(6.8)	37,500	(3.9)	146,000	940,000
Colorado	5,700	(21.8)	9,000	(28.1)	10,900	(18.9)	8,200	(23.7)	33,700	168,000
Connecticut	1,000	(33.0)	1,900	(25.2)	1,900	(20.8)	1,600	(4.3)	6,330	37,500
Delaware 5/	--	--	--	--	--	--	--	--	2,570	13,900
Florida	5,900	(1.7)	6,500	1.1	6,200	1.8	6,300	6.5	25,000	112,000
Georgia	1,600	(4.1)	1,800	6.1	1,800	(0.5)	1,700	(1.8)	6,940	29,100
Hawaii 4/	--	--	--	--	--	--	--	--	650	6,970
Idaho	1,800	(4.3)	5,500	19.5	4,800	(18.0)	2,300	(54.8)	14,500	46,800
Illinois	3,900	(1.6)	8,300	(4.0)	14,100	42.3	8,200	5.6	34,500	152,000
Indiana	5,800	0.4	8,600	6.3	7,600	(3.9)	6,100	(0.2)	28,100	124,000
Iowa	1,200	10.9	3,800	(0.8)	4,700	17.5	3,500	5.5	13,300	59,400
Kansas	1,700	(14.4)	3,200	1.9	3,100	14.2	2,600	19.8	10,600	30,200
Kentucky	1,800	(0.8)	2,300	(26.9)	2,300	(31.0)	2,100	(22.5)	8,500	28,300
Louisiana 5/	--	--	--	--	--	--	--	--	18,600	97,600
Maine	800	0.5	2,900	(1.9)	3,500	(0.9)	2,300	(7.0)	9,410	37,100
Maryland	2,400	(12.8)	3,800	5.2	3,500	(1.9)	3,400	8.5	13,100	86,100
Massachusetts	2,300	8.1	3,300	(4.8)	4,100	0.0	3,900	10.0	13,600	83,800
Michigan	6,600	7.0	24,400	1.8	26,600	1.4	18,900	(2.0)	76,400	276,000
Minnesota	700	(47.9)	12,300	(14.4)	15,100	(10.9)	7,700	14.3	35,900	146,000
Mississippi	1,700	(21.7)	4,000	9.1	4,100	19.5	4,100	67.5	13,800	73,000
Missouri	1,900	(8.1)	3,500	5.9	3,800	19.2	2,800	28.0	11,900	47,000
Montana 5/	--	--	--	--	--	--	--	--	11,400	47,300
Nebraska	1,500	(1.9)	3,700	(8.9)	3,900	(9.8)	2,200	31.3	11,400	38,700
Nevada	7,400	(12.7)	9,000	(7.7)	6,800	(30.5)	7,100	(18.9)	30,300	144,000
New Hampshire	1,100	1.1	2,600	12.4	3,700	18.4	2,600	21.8	9,990	48,500
New Jersey	3,000	(9.1)	5,300	32.6	5,000	4.5	4,100	(4.1)	17,300	91,600
New Mexico	2,400	(11.6)	3,200	(6.5)	3,000	(27.0)	2,500	(20.7)	11,100	56,100
New York	4,100	24.2	10,500	19.1	14,800	34.5	7,300	10.6	36,700	193,000
North Carolina	2,500	(25.5)	2,900	1.5	2,800	(6.0)	2,200	(22.8)	10,400	52,000
North Dakota 4/	--	--	--	--	--	--	--	--	10,600	28,200
Ohio	6,700	(3.7)	15,400	7.5	18,900	12.3	14,000	7.0	55,000	280,000
Oklahoma	2,300	2.1	3,000	24.3	3,000	12.5	2,600	39.2	10,900	42,600
Oregon	2,600	4.3	6,400	27.8	7,000	38.1	4,800	23.1	20,800	125,000
Pennsylvania	2,900	46.6	6,800	16.5	7,500	18.9	5,600	47.4	22,800	142,000
Rhode Island 5/	--	--	--	--	--	--	--	--	1,050	8,440
South Carolina	2,300	(0.7)	2,600	(4.4)	2,800	(1.8)	2,200	(9.5)	9,880	39,600
South Dakota	1,100	(14.1)	3,100	(31.9)	3,500	(25.8)	2,200	(0.1)	9,930	36,700
Tennessee	1,300	(21.6)	2,400	(13.2)	1,800	(27.6)	1,500	(17.4)	7,030	38,300
Texas	21,100	22.0	27,700	52.7	24,500	22.4	21,700	(14.4)	95,000	487,000
Utah	4,100	(0.6)	7,100	(21.1)	7,900	(16.1)	6,100	(25.9)	25,300	90,600
Vermont	400	8.3	1,400	13.8	2,400	53.8	1,700	64.3	5,830	27,000
Virginia	2,300	(11.6)	3,400	(3.6)	2,900	(8.7)	2,700	(6.5)	11,200	59,200
Washington	8,000	0.6	10,800	(10.5)	12,800	5.9	8,500	(12.5)	40,100	216,000
West Virginia	200	(29.6)	500	(15.9)	500	(21.8)	400	(13.0)	1,600	8,030
Wisconsin	4,300	(11.2)	11,200	(8.7)	13,500	4.1	11,100	15.9	40,000	153,000
Wyoming	1,300	(17.3)	2,000	12.7	1,900	9.9	1,800	43.9	7,030	26,800
Total	XX	XX	XX	XX	XX	XX	XX	XX	1,130,000	5,540,000

XX Not applicable.

1/ Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

2/ Data may not add to totals shown because of independent rounding, and differences between projected totals by States.

3/ Number of companies reporting for the quarterly survey.

4/ State not included in quarterly survey.

5/ Owing to a low number of reporting companies, no production estimates by quarters were generated.

6/ All percentage changes are calculated using unrounded totals.